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## PATENT ABSTRACTS OF JAPAN

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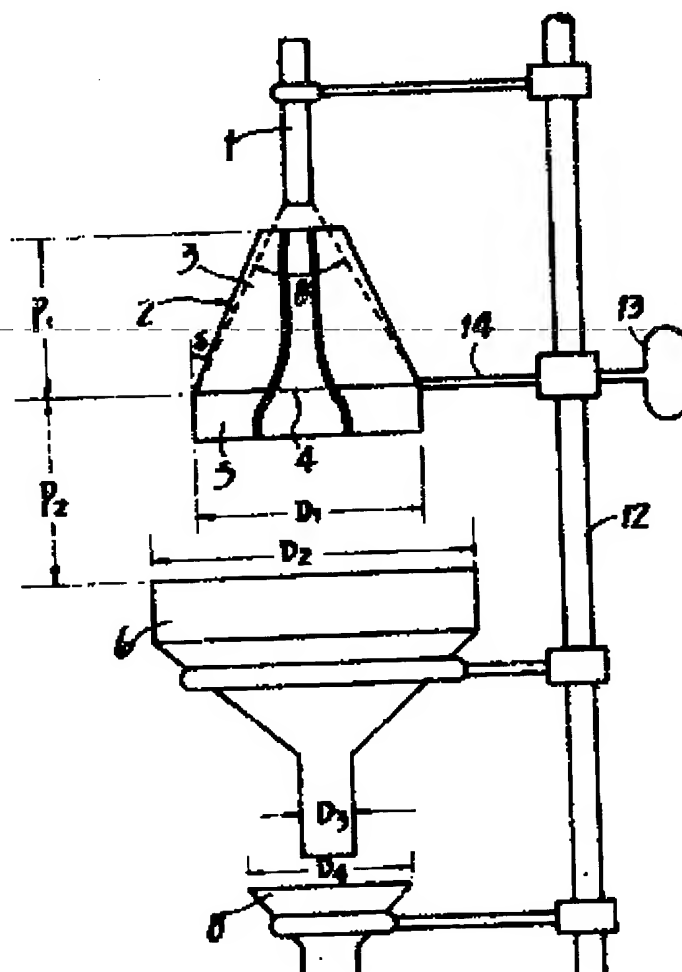
(74) Representative:

(54) WET TYPE SIEVE  
ANALYTICAL METHOD OF  
PARTICLE AND DEVICE  
THEREOF

(57) Abstract:

**PURPOSE:** To improve an efficiency of an analytical operation by a constitution wherein a sieve is made to be inverted and water and particles passing through the sieve pass through a funnel to drop into a measuring tube equipped with a filter at its lower part.

**CONSTITUTION:** A slurry containing a particle to be analyzed is poured into a sieve 2 having a skirt part 3 faced upward. Water contained in the slurry runs down from the sieve together with small particles and enters a measuring tube 7 via the funnel 6. Since a filter 10 is installed in the measuring tube, small particles are heaped upon the filter 10 and water is exhausted through a narrow tube 11. Large particles remaining on



a net 4 of the sieve 2 are flushed away by water injected from a nozzle 1 to complete classification. Thereafter, a quantity of small particles in the measuring tube is read by means of a dial marked on the side of a drum 9. Next thereto, small particles are taken out of the measuring tube 7 and the sieve 2 is inverted around a shaft 14 to pour large particles into the measuring tube 7 for measurement. In this way, efficiency of the analysis is improved.

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